

from 60 to 5% by weight of a non-fossil solid fuel including urban solid waste, and at least a further component selected from the group consisting of elastomeric polymer materials, non-elastomeric polymer materials and mixtures thereof,

wherein at least 90% by weight of the fuel composition fed into a burner is combusted in less than 10 seconds.

*Sub C1*

2.

(Amended) Composition according to Claim 1, in which the amount of said fossil fuel is between 50 and 90% by weight.

*Sub C2*

2.

(Amended) Composition according to Claim 1, in which the amount of said fossil fuel is between 60 and 80% by weight.

*Sub C3*

4.

(Amended) Composition according to Claim 1, in which the fossil fuel is selected from the group consisting of methane, fuel oil, fossil coal dust, and mixtures thereof.

*Sub C5*

6.

(Amended) Compositions according to Claim 1, in which the non-fossil solid fuel has an apparent density equal to or less than 0.6g/cm<sup>3</sup>.

*A<sup>4</sup>*

10. (Amended) A fuel composition, comprising:

from 40 to 95% by weight of a fossil fuel; and

from 60 to 5% by weight of particles less than 1 mesh in size of a non-fossil solid fuel including urban solid waste, and at least a further component selected from the

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group consisting of elastomeric polymer materials, non-elastomeric polymer materials, and mixtures thereof,

wherein at least 90% by weight of the fuel composition fed into a burner is combusted in less than 10 seconds.

*Subct 4*

11. (Amended) Composition according to Claim 10, in which at least 90% by weight of the particles are smaller than 2 mesh in size.

12. (Amended) Composition according to Claim 10, in which at least 50% by weight of the particles are smaller than 4 mesh in size.

13. (Amended) Composition according to Claim 10, in which the particles comprise non-elastomeric polymer material of less than 5 mm in size.

14. (Amended) Composition according to Claim 10, in which the amount of said fossil fuel is between 50 and 90% by weight.

15. (Amended) Composition according to Claim 10, in which the amount of said non-fossil solid fuel is between 50 and 10% by weight.

16. (Amended) Composition according to Claim 10, in which the amount of said fossil fuel is between 60 and 80% by weight.

*Sub C7*

17. (Amended) Composition according to Claim 10, in which the amount of said non-fossil solid fuel is between 40 and 20% by weight.

*Sub A4*

18. (Amended) Composition according to Claim 10, in which the fossil fuel is selected from a group consisting of methane, fuel oil, fossil coal dust, and mixtures thereof.

*Sub C8*

23. (Amended) A combustion method comprising the steps of:  
feeding the flame of a burner of an instantaneous-combustion boiler with a flow of fuel composition including:  
from 40 to 95% by weight of an instantaneously combustible fossil fuel;  
and  
from 60 to 5% by weight of a non-fossil solid fuel selected from the group consisting of urban solid waste, elastomeric polymer materials, non-elastomeric polymer materials, and mixtures thereof, which has been suitably treated so as to be instantaneously combustible;  
combusting at least 90% by weight of said fuel composition fed into the burner in less than 10 seconds.

*Sub C10*

25. (Amended) Combustion method according to Claim 24, in which at least 90% by weight of said particles are less than 2 mesh in size.

Sub C10  
cont.

26. (Amended) Combustion method according to Claim 24, in which at least 50% by weight of said particles are less than 4 mesh in size.

27. (Amended) Combustion method according to Claim 23, in which said particles comprise elastomeric polymer particles of less than 5 mm in size.

28. (Amended) Combustion method according to Claim 23, in which the instantaneously combusting fossil fuel is selected from a group consisting of methane, fuel oil, fossil coal dust, and mixtures thereof.

34. (Amended) A combustion method comprising the steps of:  
feeding a fuel composition into a zone of a boiler, said zone having a predetermined temperature value and said fuel composition including:  
at least one instantaneously combusting fossil fuel, and  
at least one instantaneously combusting non-fossil fuel selected from the group consisting of urban solid waste, elastomeric polymer materials, non-elastomeric polymer materials, and mixtures thereof;  
combusting said fuel composition in said boiler, and  
generating an amount of heavy ash from said combustion step,  
wherein said predetermined temperature value is selected so that non-combusted materials are contained in said amount of heavy ash in an amount of less than 50% by weight.

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Sub C. 11

35. (Amended) Combustion method according to Claim 34, in which said zone of the boiler into which said non-fossil fuel is fed has a temperature of not less than 1500°C.

36. (Amended) A combustion method comprising the steps of:  
feeding a boiler with a fuel composition including:

an instantaneously combusting fossil fuel, and  
an instantaneously combusting non-fossil fuel selected from the group consisting of urban solid waste, elastomeric polymer materials, non-elastomeric polymer materials, and mixtures thereof,  
combusting said fuel composition in said boiler,  
generating an amount of heavy ash from said combustion step,  
wherein said non-fossil fuel has a predetermined particle size so that non-combusted materials are contained in said amount of heavy ash in an amount of less than 50% by weight.

37. (Amended) A plant for combusting a fuel composition comprising at least one instantaneously combusting fossil fuel, and at least one instantaneously combusting non-fossil fuel selected from the group consisting of urban solid waste, elastomeric polymer materials, non-elastomeric polymer materials, and mixtures thereof, said plant comprising:

a boiler having at least one burner,

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*ENR A<sub>7</sub>*

a system for supplying said at least one burner with a flow of said at least one instantaneously combusting fossil fuel carried by a carrier fluid, and

a system for feeding said at least one instantaneously combusting non-fossil solid fuel into said flow.

*✓*  
Please add new claim 43:

*A<sup>8</sup>*

--43. A plant for combusting a fuel composition comprising at least one instantaneously combusting fossil fuel, and at least one instantaneously combusting non-fossil fuel selected from the group consisting of urban solid waste, elastomeric polymer materials, non-elastomeric polymer materials, and mixtures thereof, said plant comprising:

a boiler comprising at least one burner and at least one fire area,  
a system for supplying the fire area of said boiler with a flow of said at least one instantaneously combusting fossil fuel carried by a carrier fluid, and  
a system for conveying said at least one instantaneously combusting non-fossil fuel into the fire area of said boiler.--

#### REMARKS

Claims 1-6, 9-18, 23-28, 34-37, and 43 remain for consideration.